MISCELLANEOUS 1



Congress of the United States

House of Representatives

Washington, **BC** 20515-3813

Washington D.C. Office 510 Cannon House Office Building Washington, D.C. 20515-3813

EAX TRANSMISSION SHEET

TO:	David Hin	SOA	(b)(€)
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FAX # ≀≘	: _{202} 26	1-5047	
FROM:	Jon D. Fox	Jan W. Friis Jr.	☐ Kristen Nancy
	☐ Tony Swapick	D.Brian M. Tynan	Anita Roth
	UJason Schwartz	Aimer Steel	Matthew Hunter
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DATE:	7/19/1996	TIME: 9:5	3
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IF YOU HAY		OR EXPERIENCE TRANSP	1/SSION PROBLEMS
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JON D. FOX

INTERNATIONAL RELATIONS

BANKING AND FINANCIAL SERVICES

VETERANS' AFFAIRS



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LOGAN SQUARE SHOP!
CENTER
1768 MARKEY STREE
HORRISTOWN, PA 194

WASHINGTON

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Congress of the United States House of Representatives Washington, DC 20515–3813

July 19, 1996

Mr. David Hinson
Director, Federal Aviation Administration
Department of Transportation
800 Independence Avenue SW.
Washington, DC, 20591

Dear Mr. Hinson:

I have recently received a fax from Harry T. Lipschultz, Senior Medical Officer for the Telford Diving and Rescue Unit, offering the organization's services for the recovery effort of TWA Flight 800.

The Telford Diving and Rescue Unit is a volunteer recovery organization located in Harleysville, Pennsylvania. I notified Mr. Lipschultz that I would relay his offer to the appropriate officials. I have included, for your reference, a copy of the fax that I received from Mr. Lipschultz as well as my response to him.

Please do not hesitate to contact my office or Mr. Lipschultz if there is any way that the Unit can be of assistance.

Sincercly,

Jon D. Fox

Member of Congress

JDF:14



TELFORD DIVING and RESCUE UNIT

FACSIMILE (FAX) TRANSMISSION FURM

VOLUNTEER RECOVERY AND RESCUE DIVING SINCE 1947

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Telfo	rd Diving Unit	
RESCUE	RECOVERY SALVAGE	

JON D. FOX

INTÉRNATIONAL RELATIONS

BANKING AND FINANCIAL SERVICES

VETERANS' AFFAIRS



Congress of the United States

House of Representatives Washington, DC 20515-3813

July 18, 1996

Mr. Harry T. Lipschultz Senior Medical Officer Telford Diving and Rescue Unit 2349 Shelly Road Harleysville, Pennsylvania 19438

Dear Mr. Lipschultz:

Thank you for contacting my office offering your services for the recovery effort of TWA Flight 800.

In this time of tragedy, it is always reassuring to note the services rendered by volunteer organizations such as the Telford Diving and Rescue Unit. Your offer is greatly appreciated by all of the victims' families and friends.

I will pass on this information to the appropriate officials and will get back to you as soon as I learn how you can be of assistance. Thanks again.

Sincerely,

Jon D. Fox

Member of Congress

JDF:i4

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DISTRICT COPPER

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LOGAN SQUARE SHOPE CENTER 1768 MARKLEY STREE NORRISTOWN, PA 184

EASTERN MONTGOMERY CO EASTON & EDGE HILL RC ABINGTON, PA 1900

> 24 MM, TOLL FREE LEGISLATIVE HOTLEN

Washington, DC via:

To contact sender, call:

Pitney Bowes 8000 FAX number:



(b)(6)

Washington Headquarters
Office of Assident Investigation

FAX COVER SHEET

to: TOM HAUETER
attention:
phone: fax number: X6576
FROM: LARRY SMITH
phone: (b)(6)
total pages (excluding this cover sheet): 5
vate of transmission: 7/22/96
remarks/oelivery Instructions:
ATTACHED IS ALL CORRESPONDENCE BETWEEN
CONGRESSMAN JON FOX AND HIS CONSTITUENT,
MR. LIPSCHULTZ, OFFERING ASSISTANCE AND
OUR SHORT DRAFT RESPONSE TO THE CONGRESSMAN
This message transmitted by FAA, Office of Accident Investigation,

Swaim Bob

(b)(6)

Mr. Allen S. Kane

Full Name: Last Name: First Name: Job Title:

Kane

Allen Detective, Police

Company:

NYPD

Business Address:

Scuba Team Foot of 33rd Street Tower Building Brooklyn, New York 11232

Business: Business Fax: (b)(6)

Main Office (Station

Categories:

TW800, Police, NYPD

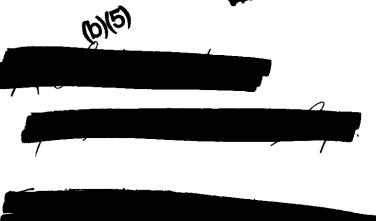
Met on NYPD 52, Ran sonar for SCUBA

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(b)(5)



Comments and Contacts regarding computer imaging of TWA 800 wreckage

At numerous times during the TWA 800 accident investigation, the idea of developing a computer model of the aircraft has been discussed. Depending on the context, the idea sometimes focused on portraying the undamaged, manufactured form of the aircraft; at other times the interest focused on developing an image of the wreckage. Early in the investigation, Boeing considered incorporating some of the wreckage information into a software package that they use for engineering development work, CATEA. This would have allowed a wider range of engineering expertise in Seattle to be exposed to numerous technical issues. However, modeling the irregular form of the recovered wreckage presents a very complicated problem for image definition. It was decided that normal computer-aided design (CAD) techniques, such as those employed for design engineering that rely on standard geometric definition, would not be feasible for use in defining the recovered wreckage.

Once the investigation began to focus on the explosion of the center wing fuel tank, the idea of modeling that portion of the aircraft again surfaced (no pun intended). Two important facts make the subject worth reconsidering, first modeling just the center wing area would scale the project to a more manageable size (image a few hundred pieces of wreckage rather than several thousand needed to define the entire airframe). Second, we determined that the irregular shapes of wreckage can be physically imaged in a manner analogous to scanning a photograph. This sidesteps the need to geometrically define the shape necessary to visualize the structure.

This paper briefly presents the sequence of activities that could be used to accomplish modeling the center wing area. The project would require considerably more planning but this discussion is intended to illustrate the scope of the effort. A list of technical contacts is attached.

Current Available Information

Oceaneering has a wireframe model of a Boeing 747 aircraft (wireframe indicates that it is an external skin illustrated by contour lines - and it is a model rather than an illustration because it can be turned to different points of view). This primitive structure has been useful for illustrating various concepts of the data inventory, particularly as it relates to the ocean debris fields. Seat structures of the interior cabin have been added but no internal systems information is included. A small portion of the center wing area has been rendered in a solids model to illustrate the location of the seats in relation to the center wing tank's front spars (in the rendered version, the surfaces are no longer transparent and can be color coded to carry additional information). A sample of this model is attached.

Boeing has a few of the 747 subsystems portrayed as CATEA software models, but the 747-100 was developed before widespread use of CAD support. Boeing does not

have a full model of the aircraft but there is rumor that KLM has developed such a model in Intergraph software for use in their maintenance operation.

The FAA has a model of the 747 front and rear cargo bays that was developed for their Aviation Security R & D Division developed on contract by Geometric Solutions, Inc. The center wing tank is in between those two cargo areas.

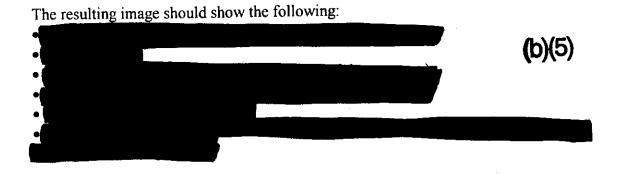
Requirements

- Develop a solid geometry image of the aircraft structural skin and major systems.
- Model needs to allow surface segmentation and naming.
- Software needs to run on the Silicon Graphics platform in the NTSB lab (generally a memory limitation, if any - the full model could be 40-50 megabytes).
- Software selected for development should be as generic as possible to increase likelihood of reuse and to benefit NTSB employee learning curve on future type work.

Plan for Modeling Center Fuel Tank

- 1. Use laser scanner and photogammetry to image each piece of wreckage.
- 1.1 Borrow Dior 3002S electronic measuring unit from TSB Canada
- 1.2 Get Leica to provide a second Dior unit, two Leica motorized theodolites, two metric cameras, and trained personnel to operate the equipment (for a period of two three months assuming that 280 pieces will be scanned at the rate of 6-8 a day)
- 1.3 Use a portable pentium laptop to process data input files.
- 1.4 Build a scan station in the hangar near the mockup area (temporary 2x4 frame to hang each piece of wreckage).
- 1.5 Position imaging equipment and register location within the hangar and in relation to the frame supports.
- 1.6 Move each piece of wreckage from the mockup area to the scan station. Using two Leica Dior units, it will be possible to scan both sides simultaneously. Photograph surfaces using two stereoscopic camera images combined to get stereo information in 3-D. The scanning defines the shape, photography defines the surface features that will be warped onto the surface.
- 1.7 Identify points on the wreckage that can be used to align (or fit) the piece in relation to others. For example, station numbers or structural coordinates mapped against an engineering diagram (this x,y,z laser point #456 fits here mark diagram)
- 2. Transfer data input files to USAF NAIC and let them select software applications to accomplish the following:
- 2.1 Mesh laser points into a planar surface
- 2.2 Warp photographic images onto surface elements.
- 2.3 Fit elements (each piece of scanned wreckage) together and define relationships
- 2.4 Define logical piece combinations (group defined as front spar)

- 2.5 Write user interface tools to assist non-programmers in using the model
- 3. Have FAA extend GSI contract to model the center fuel tank (the regular engineered version). Let NAIC define the data format for this model and provide it to NAIC to be incorporated into the model of the wreckage. The regular form image would be "ghosted" (faintly visible) and the wreckage would be registered against and overlaid on this image. If effect the two structural definitions would be combined within the same model.



Continuing Capability

Modeling, both in physical small scale and using computerized software images, is a well developed tool of design engineering. Design changes, for example structural changes to improve fuel efficiency by reducing weight, can be tested without full-scale trial and error tests. However, the Safety Board's interests in accident investigation are much more aligned with the concept of reverse engineering; given what the physical results are, what forms and forces were responsible.



Advanced Technologies Group

4 August 1997

National Transportation Safety Board 490 L'Enfant Plaza East, S.W. Washington, D.C. 20594

Attention:

Ms. Gwen Bracy

Subject:

Technical and Cost Proposal for Archiving TWA Flight 800 Recovery Records

and Related Information

Dear Ms. Bracy:

Per our discussions, Oceaneering International, Inc. (Oceaneering) is pleased to submit this technical and cost proposal to:

- 1. Electronically scan and index the log sheets from the TWA Flight 800 Investigation
- 2. Update the Tags/Target Database with records of these electronic log sheets
- 3. Install and Demonstrate the System

Purpose

During the TWA Flight 800 Investigation, thousands of pages of paper logs and reports were generated. These pages, sorted in binders, are stored and not easily accessible for investigative review. To assist any further investigation into this event, these "paper" records must be converted into "electronic" records and archived. By attaching each of these records to their corresponding field in the Target/Tag Database, we can obtain a complete investigative record through a database search.

Approach

The FBI Reports, Diver Reports, Trawler Reports and Wreckage Log Sheets will be collected from the NTSB. Additionally, the NTSB will supply the latest revision of the Target/Tag Database. The paper records will be sorted and the scanning process will commence. Each electronic record will be titled to correspond to the Target/Tag number with which it is associated. For records that do not correspond with a Target/Tag number, these records will be referenced to their corresponding FBI Report number. All images will be indexed and stored onto compact discs (CD-ROM).

The index will be imported into the existing Target/Tag Database. This information will relate to the corresponding data fields. We will perform Quality Assurance to verify 100% of all the images have been captured, cataloged and are readable.

We will deliver the updated NTSB Target/Tag Database and we will demonstrate image viewing techniques.

Schedule and Deliverables

Schedule

Upon receipt of the log sheet binders, we will begin the archiving process. Project completion is approximately fifty working days.

Deliverables

We will return the original log sheets to the NTSB along with the scanned electronic images stored on CD-ROMs. We will deliver an updated revision of the Target/Tags Database at the completion of the project. Methods to view the scanned images will be demonstrated.

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Cost

This is a firm, fixed price proposal based on 30,000 sheets of logs/reports. The quotation to complete this project is Additional sheets above the 30,000 quoted will cost 100 sheets.

We are pleased to offer the National Transportation Safety Board this Firm, Fixed Price quotation for scanning and archiving the "paper" log sheets from the TWA Flight 800 Investigation. Please contact me if you have any questions.

Sincerely,

OCEANEERING TECHNOLOGIES

File

Andrew Resnick, P.E. Engineering Manager

CC:





FACSIMILE TRANSMISSION COVER

(b)(6)**TELEPHONE NUMBER FACSIMILE NUMBER** ENGINEERING BUILDING ONLY] [FACSIMILE

REF. NO

DATE: 24 SEPT 1997

AREA CODE & FAX NO. 202-314-6309

FROM:

MICHELLE LURIE

TO:

(Company) NTSB - R&D

(Attention) DAVID MAYER

NUMBER OF PAGES (INCLUDING TRANSMISSION COVER SHEET): 3

MESSAGE: DAVID

I SPOKE WITH MS BRACY THIS MORNING, SHE DIDN'T PROPOSAL. SHE ASKED IF YOU HAD RECALL THIS REQUIRED INTERNAL PADERWORK. SUBMITTED THE I COULDN'T ANSWER HER QUESTIONS. THE PROPOSAL WE SENT IS ATTACHED. I WILL CALL YOU LATER THIS MORNING.

THUNKS FOR ALL YOUR HELP!

REGARDS.

IF YOU DO NOT RECEIVE ALL PAGES, TELEPHONE IMMEDIATELY.

P 050635Z DEC 96 FM COMNAVSEASYSCOM WASHINGTON DC//OOC// TO CNO WASHINGTON DC//N3/N8/N86/N87/N88// INFO CINCUSACOM NORFOLK VA//J3// CINCLANTFLT NORFOLK VA//N01/N3/N5// JOINT STAFF WASHINGTON DC//NMCC/J3WHEM// COMDT COGARD WASHINGTON DC//OPC// COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4// CHINFO WASHINGTON DC//JJJ// OLA WASHINGTON DC//00// CCGDONE BOSTON MA//CC// COMLOGGRU TWO COMCOGARDGRU MORICHES NY COMEODGRU TWO MOBDIVSALU TWO USS GRASP USS GRAPPLE EODMU TWO EODMU SIX EODMU TEN EODMU TWELVE NAVXDIVINGU PANAMA CTTY FL//JJJ// NAVDIVESALVTRACEN PANAMA CITY FL//JJJ// COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00// BT(b)(6)UNCLAS //N04740// MSGID/GENADMIN/NAVSEA 00C// SUBJ/TWA FLT 800 SALVAGE SITREP 5 DEC_96// POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:

RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 1400 Q 5 DEC 96: A. ASSETS:

- F/V TRADITION
- F/V CHRISTIAN AND ALEXA

P 050635Z DEC 96 FM COMNAVSEASYSCOM WASHINGTON DC//00C// TO CNO WASHINGTON DC//N3/N8/N86/N87/N88// INFO CINCUSACOM NORFOLK VA//J3// CINCLANTELT NORFOLK VA//N01/N3/N5// JOINT STAFF WASHINGTON DC//NMCC/J3WHEM// COMDT COGARD WASHINGTON DC//OPC// COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4// CHINFO WASHINGTON DC//JJJ// OLA WASHINGTON DC//00// CCGDONE BOSTON MA//CC// COMLOGGRU TWO COMCOGARDGRU MORICHES NY COMEODGRU TWO MOBDIVSALU TWO USS GRASP USS GRAPPLE EODMU TWO EODMU SIX EODMU TEN EODMU TWELVE NAVXDIVINGU PANAMA CITY FL//JJJ// NAVDIVESALVTRACEN PANAMA CITY FL//JJJ// COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00// .BT UNCLAS //N04740// MSGID/GENADMIN/NAVSEA 00C// SUBJ/TWA FLT 800 SALVAGE SITREP 5 DEC 96// POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL: TEL:DSN

RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 1400 Q 5 DEC 96:

A. ASSETS:

- F/V TRADITION
- F/V CHRISTIAN AND ALEXA
- F/V ALPHA AND OMEGA II
- F/V KATHY ANN
- ATT/V ENTERPRISE
- ATT/V VESSEL DEBRA LEE
- B. STATUS: TRAWLING OPERATIONS CONTINUE. THE FOLLOWING IS THE STATUS OF EACH ASSET:
- F/V TRADITION TRAWLING NORTH WESTERN CABLE BUFFER AREA.
- F/V CHRISTIAN AND ALEXA SOUTH WESTERN CABLE BUFFER AREA.
- F/V ALPHA AND OMEGA II WESTERN SIDE OF EXPANDED AREA THREE (RED AREA). THIS IS NEW TRAWLING AREA ASSIGNED BY NTSB BASED ON ANALYSIS OF RECOVERED CRASH WRECKAGE. ESTIMATE COMPLETING THIS AREA 7 DEC 96.
- F/V KATHY ANN ON STATION TRAWLING AREA ONE (GREEN AREA).

 GREEN AREA IS MAIN IMPACT AREA, WHICH IS YIELDING ABOUT TEN
 SMALL PIECES OF DEBRIS PER HOUR OF TRAWLING.
- ATT/V ENTERPRISE AND ATT/V DEBRA LEE SECURITY OVER CABLE BUFFER AREA. INTEND TO SUGGEST TO ATT THAT SECURITY OVER CABLE WILL NOT BE NEEDED BEYOND 8 DEC 96, AS TRAWLING NEAR CABLE WILL BE COMPLETE.

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P 120635Z DEC 96
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO CINCUSACOM NORFOLK VA//J3//
CINCLANTFLT NORFOLK VA//N01/N3/N5//
JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
COMDT COGARD WASHINGTON DC//OPC//
COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
CHINFO WASHINGTON DC//JJJ//
OLA WASHINGTON DC//00//
CCGDONE BOSTON MA//CC//
COMLOGGRU TWO
COMCOGARDGRU MORICHES NY
COMEODGRU TWO
MOBDIVSALU TWO
USS GRASP
USS GRAPPLE
EODMU TWO
EODMU SIX
EODMU TEN
EODMU TWELVE
NAVXDIVINGU PANAMA CITY FL//JJJ//
NAVDIVESALVTRACEN PANAMA CITY FL//JJ//
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SUBJ/TWA FLT 800 SALVAGE SITREP 12 DEC 96//
                                                   TEL: DSN
 POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
         FOL IS UPDATE OF SALVAGE OPS AS OF 1400 Q 12 DEC
 RMKS/I
 96:
     ASSETS:
 Α.
 - F/V TRADITION
 - F/V CHRISTIAN AND ALEXA
 - F/V ALPHA AND OMEGA II
 - F/V KATHY ANN
 - ATT/V VESSEL DEBRA LEE
 - CONTRACT VESSEL MIKE 8 JENNIFER LYNN
     STATUS: TRAWLING OPERATIONS CONTINUE. THE FOLLOWING IS
 THE STATUS OF EACH ASSET:
 - F/V TRADITION TRAWLING WESTERN CABLE BUFFER AREA. CURRENT
 ASSIGNMENT IS TO COMPLETE OUT TO 1000 YARDS ON NORTHERN SIDE
 OF WESTERN CABLE BUFFER ZONE.
 - F/V CHRISTIAN AND ALEXA TRAWLING WESTERN CABLE BUFFER
 AREA. ASSIGNMENT IS TO COMPLETE OUT TO 1000 YARDS ON
 SOUTHERN SIDE OF WESTERN CABLE BUFFER ZONE.
 - F/V ALPHA AND OMEGA 11 TRAWLING EAST WEST LINES IN RED
 AREA (AREA THREE).
   F/V KATHY ANN TRAWLING AREA ONE (GREEN AREA). TRAWLING
```

NORTH SOUTH LINES (STARTING ON EAST SIDE) OVER BOX THAT

INCLUDES ENTIRE GREEN AREA.

二十五条经验的 花篮

- ATT/V DEBRA LEE ON STATION PROVIDING SECURITY OVER ATT CABLE. ATT/V DEBRA LEE WILL BE NEEDED ON STATION UNTIL 1000 YARD BUFFER ON SOUTH SIDE OF WESTERN CABLE IS FINISHED BY CHRISTIAN AND ALEXA, ESTIMATE 16 DEC 96.
- CONTRACT VESSEL JENNIFER LYNN (MIKE 8) MOBILIZED FOR EVIDENCE AND PERSONNEL TRANSFERS, BUT MISSION CANCELED DUE TO DETERIORATING WEATHER CONDITIONS IN OP AREA. BASED ON WEATHER, ESTIMATE NEXT (AND LAST PRIOR TO CHRISTMAS STANDDOWN) MIKE BOAT RUN WILL BE 18 DEC 96.
- COAST GUARD GROUP MORICHES EVACUATED ONE SICK FBI AGENT FROM F/V KATHY ANN 0900 12 DEC 96.
- C. INTENTIONS: COMPLETE WESTERN CABLE BUFFER ZONE 16 DEC 96, WHICH IS REVISED FROM 13 DEC 96 ESTIMATE BASED ON REQUEST BY FBI AND CONCURRENCE BY NTSB TO RE-WORK A COMPLETED SECTOR OF F1 AREA. CONTINUE TO TRAWL IN BOTH THE MAIN IMPACT AREAS AND FBI AREAS AS ASSIGNED BY NTSB. FIRST TRAWLER TO COMPLETE WESTERN BUFFER LINES WILL BE ASSIGNED TO EXPANDED GREEN ZONE (AREA ONE, MAIN IMPACT AREA), PUTTING TWO TRAWLERS IN GREEN AREA. ALPHA AND OMEGA II SHALL CONTINUE EAST WEST LINES IN RED AREA, PROGRESSING FROM NORTH TO SOUTH. ONE TRAWLER, EITHER CHRISTIAN ALEXA OR TRADITION, WILL REMAIN IN FBI AREAS. BASED ON WEATHER PREDICTIONS AND OP SCHEDULE, ESTIMATE LAST DAY OF TRAWLING, AND LAST MIKE 8 BOAT RUN, PRIOR TO CHRISTMAS STAND-DOWN WILL BE 18 DEC 96. TRAWLING WILL CONTINUE BEGINNING 6 JAN 97.
- 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
- 3. PUBLIC AFFAIRS: NTR//

Author: SUPSALVMESSAGES at P-SEAGOC

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Date: 1/11/97 7:58 AM
Priority: Normal
TO: SALMON THOMAS B
TO: BLADH JAMES C
Subject: 100636Z JAN 97; P;TWA FLT 800 SALVAGE SITREP 10 JAN 97//
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ZNR UUUUU ZUI RULSSEA0478 0101500
P 100636Z JAN 97 ZYB PSN 488707M34
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCRTFA/COMNAVSURFLANT NORFOLK VA//NOO/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHBBQSJ/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJ//
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 MSGID/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 10 JAN 97//
 POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
 RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 10 JAN 97:
 A. ASSETS:
 - F/V TRADITION
 - F/V CHRISTIAN/ALEXA
 - F/V ALPHA/OMEGA 1I
  - F/V KATHY ANN
 - MIKE 8 (CIVILIAN CONTRACT VESSEL)
 B. STATUS: TRAWLING OPERATIONS PROCEEDING IAW NTSE/FBI DIRECTION.
 - F/V TRADITION TRAWLING AREA F-3 SOUTH OF ATT CABLE.
  - F/V ALPHA/OMEGA TRAWLING AREA THREE.
  - F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
 - F/V KATHY ANN TRAWLING AREA ONE. TRAWLER OPS INTERMITTENT DUE TO
 WX. SEARCH AREA NORTH OF ATT CABLE COMPLETED 1600 9 JAN 97.
 C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
     PUBLIC AFFAIRS: NTR//
  3.
  BT
  #1975
  NNNN
  OUC(1) ....ORIG FOR COMNAVSEASYSCOM
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91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1)

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PATUZYUW RUEOMCA8036 0092003-UUUU--RULSSEA.
ZNR UUUUU
            ZUI RULSSEA0470 0091500
P 090635Z JAN 97 ZYB PSN 479411M26
FM COMNAVSEASYSCOM WASHINGTON DC//OOC//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBFDF/MOBDIVSALU TWO
RHNVGGT/USS GRASP
RHBBQSJ/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/FODMU TEN
RHFJFOV/EODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJ//
RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
BT
UNCLAS //N04740//
MSGID/GENADMIN/NAVSEA 00C//
                                                (b)(6)
SUBJ/TWA FLT 800 SALVAGE SITREP 09 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 08000 09 JAN 97:
   ASSETS:
 f/V TRADITION
- F/V CHRISTIAN/ALEXA
- F/V ALPHA/OMEGA II
- F/V KATHY ANN
- MIKE 8 (CIVILIAN CONTRACT VESSEL)
B. STATUS: TRAWLING OPERATIONS PROCEEDING IAW NTSB/FBI DIRECTION.
- F/V TRADITION TRAWLING AREA F NORTH OF ATT CABLE.
- F/V ALPHA/OMEGA TRAWLING AREA THREE.
- F/V CHRISTIAN/ALEXA TRAWLING AREA F SOUTH OF ATT CABLE.
- F/V KATHY ANN TRAWLING AREA ONE.
- MIKE 8 JENNIFER LYNN PICKING UP DEBRIS FROM ALL TRAWLERS.
   INTENTIONS: CONTINUE TRANLING OPS AS PLANNED.
   PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
Э.
   PUBLIC AFFAIRS: NTR//
ВТ
#8036
NNNN
00C(1) ....ORIG FOR COMNAVSEASYSCOM
   91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1)
  04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS373(1)
```

To: AL DICKENSON From: Jim BLANA

2 PAYEN

- C. INTENTIONS: WEAK PERMITTING WILL ATTEMPT TO PICK DEBRIS UP
- 09 JAN FOR DELIVERY TO CALVERTON.
- 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
- 3. PUBLIC AFFAIRS: NTR//

BT

#0371

MMMM

00C(1)ORIG FOR COMNAVSEASYSCOM 91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS373(1)

To: AL DICKENSON From: Jim BLANA

2 PAYEN

2435

```
PATURYUW RUEOMCB0249 0132208-UUUU--RULSSEA.
ZNR UUUUU
            ZUI RULSSEA0488 0131500
P 130635Z JAN 97 ZYB PSN 501930M18
FM COMNAVSEASYSCOM WASHINGTON DC//OOC//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//NO1/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBFDF/MOBULVSALU TWO
RHNVGGT/USS GRASP
RHNVHHH/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/EODMU TEN
RHFJFOV/EODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
BT
UNCLAS
       //N04740//
                                                   (b)(6)
MSGID/GENADMIN/NAVSEA 00C//
SUBJ/TWA FLT 800 SALVAGE SITREP 13 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1. FOI IS UPDATE OF SALVAGE OPS AS OF 0800Q 13 JAN 97:
A. ASSETS:
- F/V TRADITION
- F/V CHRISTIAN/ALEXA
- F/V ALPHA/OMEGA II
- F/V KATHY ANN
- MIKE 8 (CIVILIAN CONTRACT VESSEL)
    STATUS: WX WINDS 25 KTS AND DIMINISHING. DGPS NAV OPERATIONAL.
- F/V TRADITION TRAWLING AREA H SOUTH OF ATT CABLE.
- F/V ALPHA/OMEGA TRAWLING AREA THREE.
- F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
- F'/V KATHY ANN TRAWLING AREA ONE.
- MIKE 8 JENNIFER LUNN PICKING UP DEBRIS FROM ALL TRAWLERS AND
ROTATING FB! PERSONNEL.
   INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
    PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
    PUBLIC AFFAIRS: RADM KRISTENSEN (CLG2) AND CAPT MCCORD
(SEA OOC) ATTENDED A CEREMONY HONORING COAST GUARD AND OTHER
AGENCIES IN MORICHES. IN ATTENDANCE WERE SECRETARY OF
TRANSPORTATION; COMMANDANT OF CG; COMMANDER CG DISTRICT ONE; OTHER
FEDERAL, STATE AND LOCAL AGENCY REPS AND FAMILIES OF VICTIMS OF
TWA 800.//
BT
#0249
NNNN
00C(1) ....ORIG FOR COMNAVSEASYSCOM
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91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1) 071(1) 072(1) 07A(1) 91K44(1) 91W1(1) PMS373(1)

To: AL DICKENSON From: Jim BLANA

3 PAYEN

Sitrap For

JAN (1)

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----- Message Contents ----
                        U-UNCLASSIFIED--UNCLASSIFIED-U
                        PTTUZYUW RULSSECXXXX 021XXXX-UUUU--RHMCSUU.
ZNR UUUUU
Р
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBFDF/MOBDIVSALU TWO
RHNVGGT/USS GRASP
RHNVHHH/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/EODMU TEN
RHFJFOV/FODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
BT
UNCLAS
        //N04740//
                                           (b)(6)
MSGID/GENADMIN/NAVSEA 00C//
SUBJ/TWA FLT 800 SALVAGE SITREP 21 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/
                                                /TEL:DSN
         FOL IS UPDATE OF SALVAGE OPS AS OF 08000 21 JAN 97:
RMKS/1.
    ASSETS:

    F/V NORDIC PRIDE

 - F/V CHRISTIAN/ALEXA
 - F/V ALPHA/OMEGA II
 - F/V KATHY ANN
 B. STATUS: WX WINDS NW 25 KTS CHANGING TO SW 15 KTS IN PM
 SEAS 4FT DECREASING TO 3FT IN THE AFTERNOON .
 - F/V NORDIC PRIDE TRAWLING BOX F3.
 - F/V ALPHA/OMEGA TRAWLING AREA THREE USING NETS WITH 2 INCH
```

RINGS PER FBI REQUEST NTSB CONCURS.

2. 1

- F/V CHRISTIAN/ALEXA TRAWLING BOX F4.
- F/V KATHY ANN TRAWLING AREA ONE.
- C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
- 2. PERSONNEL: SUPSALV PERS REMATN ON SITE SUPERVISING SALV OPS.
- 3. PUBLIC AFFAIRS: NTR//

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NNNN

00C(1)ORIG FOR COMNAVSEASYSCOM 91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS373(1)

FAX COVER SHEET

TO: AL DICKENSON, NTSB										
FROM:	LEE	WOLFORD	, SUPS	ALV C	OMMAND	CENTE	!R			
# PAGES	S:	3	(ir	cludin	g cover	sheet))			
COMMENT	S :									
Attached	is t	he sitrep	for	22	True	ALY	1997			

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----- Message Contents -----
                                                             ນຸມບອນບອນບອນອອກອາກຸລຸການສາກຸລຸການອອກອນອອກອຸກຸລຸການອອກອຸກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸກຸລຸກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸກຸລຸກຸລຸການອີກຸລຸກຸລຸການອີກຸລຸກຸລຸການອີກຸລຸການອີກຸລຸການອີກຸລຸການ
                                                             U-UNCLASSIFIED--UNCLASSIFIED-U
                                                             PTTUZYUW RULSSECXXXX 022XXXX-UUUU--RHMCSUU.
ZNR UUUUU
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
 RUENAAA/OLA WASHINGTON DC//00//
 RUEGABA/CCGDONE BOSTON MA//CC//
 RULYEPA/COMLOGGRU TWO
 RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHNVHHH/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
  RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
  RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
  BT
  UNCLAS //N04740//
  MSGID/GENADMIN/NAVSEA 00C//
  SUBJ/TWA FLT 800 SALVAGE SITREP 22 JAN 97//
  POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
                        FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 22 JAN 97:
  RMKS/1.
            ASSETS:
  - F/V NORDIC PRIDE
  - F/V CHRISTIAN/ALEXA
   - F/V ALPHA/OMEGA II
   - F/V KATHY ANN
                                  WX WINDS SW 30 KTS GUSTY SEAS 6 TO 8FT WITH
  B. STATUS:
  OCCASIONAL 10FT. F/V CHRISTIAN/ALEXA COMPLETED LINES AA IN
   BOX F4 AND MOVED TO BOX 5 TO COMPLETE LINES AA.
```

- F/V NORDIC PRIDE TRAWLING BOX F3.

- F/V ALPHA/OMEGA TRAWLING AREA THREE USING NETS WITH 2 INCHRINGS PER FBI REQUEST NTSB CONCURS.
- F/V CHRISTIAN/ALEXA TRAWLING BOX 5.
- F/V KATHY ANN TRAWLING AREA ONE.
- C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED. CONTINUE TO EVALUATE EFFICIENCY OF 2 INCH RING NETS.
- 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
- 3. PUBLIC AFFAIRS: NTR//

BT

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NNNN

00C(1)ORIG FOR COMNAVSEASYSCOM 91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS373(1) Author: MCCORD RAYMOND S at P-SEA00C

Date: 1/9/97 7:51 AM

Priority: Normal

TO: SALMON_THOMAS_B (00C2)
TO: BLADH JAMES C (00C22)

Subject: $\overline{0}80636\overline{Z}$ JAN 97; P;TWA FLT 800 SALVAGE SITREP 08 JAN 97//

----- Message Contents -----

FYI

RSM

Forward Header

Subject: 080636Z JAN 97; P;TWA FLT 800 SALVAGE SITREP 08 JAN 97//

Author: SUPSALVMESSAGES at P-SEA00C

Date: 1/9/97 6:23 AM

U-UNCLASSIFIED--UNCLASSIFIED-U

PATUZYUW RUEOMCC0371 0082316-UUUU--RULSSEA. ZNR UUUUU ZUI RULSSEA0464 0081500 P 080636Z JAN 97 ZYB PSN 473777M35 FM COMNAVSEASYSCOM WASHINGTON DC//OOC// TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88// INFO RUCBACM/CINCUSACOM NORFOLK VA//J3// RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5// RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM// RULSJGA/COMDT COGARD WASHINGTON DC//OPC// RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4// RUENAAA/CHINFO WASHINGTON DC//JJJ// RUENAAA/OLA WASHINGTON DC//00// RUEGABA/CCGDONE BOSTON MA//CC// RULYEPA/COMLOGGRU TWO RUEGABF/COMCOGARDGRU MORICHES NY RUCBFAC/COMEODGRU TWO RUCBFDF/MOBDIVSALU TWO RHNVGGT/USS GRASP RHNVHHH/USS GRAPPLE RUCBFAR/EODMU TWO RHFJFOX/EODMU SIX RHNVHHC/EODMU TEN RHFJFOV/EODMU TWELVE RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ// RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ// RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00// BT UNCLAS //N04740// MSGID/GENADMIN/NAVSEA 00C// SUBJ/TWA FLT 800 SALVAGE SITREP 08 JAN 97// POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL: RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 08 JAN 97:

A. ASSETS:

- F/V TRADITION
- F/V CHRISTIAN/ALEXA
- F/V ALPHA/OMEGA II
- F/V KATHY ANN
- B. STATUS: TRAWLING OPERATIONS PROCEEDING IAW NTSB/FB1 DIRECTION.
- F/V TRADITION TRAWLING AREA F NORTH OF ATT CABLE.
- F/V ALPHA/OMEGA TRAWLING AREA THREE.
- F/V CHRISTIAN/ALEXA TRAWLING AREA F SOUTH OF ATT CABLE.

3435

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PATUZYUW RUEOMCB0249 0132208-UUUU--RULSSEA.
 ZNR UUUUU
             ZUI RULSSEA0488 0131500
 P 130635Z JAN 97
                  ZYB PSN 501930M18
 FM COMNAVSEASYSCOM WASHINGTON DC//00C//
 TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
 INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
 RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
 RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
 RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
 RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
 RUENAAA/CHINFO WASHINGTON DC//JJJ//
 RUENAAA/OLA WASHINGTON DC//00//
 RUEGABA/CCGDONE BOSTON MA//CC//
 RULYEPA/COMLOGGRU TWO
 RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
RHNVHHH/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/EODMU TEN
RHFJFOV/EODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
ΒT
UNCLAS //N04740//
                                                       (b)(6)
MSGID/GENADMIN/NAVSEA 00C//
SUBJ/TWA FLT 800 SALVAGE SITREP 13 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1. FOI. IS UPDATE OF SALVAGE OPS AS OF 0800Q 13 JAN 97:
A. ASSETS:
- F/V TRADITION
- F/V CHRISTIAN/ALEXA
- F/V ALPHA/OMEGA II
- F/V KATHY ANN
  MIKE 8 (CIVILIAN CONTRACT VESSEL)
    STATUS: WX WINDS 25 KTS AND DIMINISHING. DGPS NAV OPERATIONAL.
- F/V TRADITION TRAWLING AREA H SOUTH OF ATT CABLE.

    F/V ALPHA/OMEGA TRAWLING AREA THREE.

- F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.

    F/V KATHY ANN TRAWLING AREA ONE.

- MIKE 8 JENNIFER LUNN PICKING UP DEBRIS FROM ALL TRAWLERS AND
ROTATING FBI PERSONNEL.
C
    INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
    PERSONNEL:
                SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
    PUBLIC AFFAIRS: RADM KRISTENSEN (CLG2) AND CAPT MCCORD
(SEA OOC) ATTENDED A CEREMONY HONORING COAST GUARD AND OTHER
AGENCIES IN MORICHES. IN ATTENDANCE WERE SECRETARY OF
TRANSPORTATION; COMMANDANT OF CG; COMMANDER CG DISTRICT ONE; OTHER
FEDERAL, STATE AND LOCAL AGENCY REPS AND FAMILIES OF VICTIMS OF
TWA 800.//
ΒT
#0249
NNNN
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OOC(1)ORIG FOR COMNAVSEASYSCOM 91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1) 071(1) 072(1) 07A(1) 91K44(1) 91W1(1) PMS373(1) To: AL DICKENSON From: Jim BLANA

2 PAYEN

SITTED FOR 14 JAN 97

Two rasher late.

/ 2435

U-UNCLASSIFIED--UNCLASSIFIED-U

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PATUZYUW RUEOMCA6640 0142117-UUUU--RULSSEA.
 ZNR UUUUU
             ZUI RULSSEA0496 0141500
 P 140636Z JAN 97 ZYB PSN 509010M15
 FM COMNAVSEASYSCOM WASHINGTON DC//00C//
 TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
 INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
 RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
 RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
 RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
 RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
 RUENAAA/CHINFO WASHINGTON DC//JJJ//
 RUENAAA/OLA WASHINGTON DC//00//
 RUEGABA/CCGDONF BOSTON MA//CC//
 RULYEPA/COMLOGGRU TWO
 RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHNVHHH/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
 RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
 BT
 UNCLAS //N04740//
                                                    (b)(6)
 MSGID/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 14 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 14 JAN 97:
A. ASSETS:
 - F/V TRADITION
 - F/V CHRISTTAN/ALEXA
- F/V ALPHA/OMEGA II
- F/V KATHY ANN
    STATUS: WX WINDS 20 KTS AND DIMINISHING. DGPS NAV OPERATIONAL.
- F/V TRADITION WILL COMPLETE TRAWLING AREA H SOUTH OF ATT CABLE
TODAY AND MOVE TO AREA F3. MOVE CONFIRMED BY NTSB.
- F/V ALPHA/OMEGA TRAWLING AREA THREE.
- F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
- F/V KATHY ANN TRAWLING AREA ONE.
    INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
С.
   PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
2.
   PUBLIC AFFAIRS: NTR//
3.
BT
#6640
NNNN
00C(1) ....ORIG FOR COMNAVSEASYSCOM
  91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1)
  071(1) 072(1) 07A(1) 91W1(1) PMS373(1)
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To: AL Dickenson
From: Jim BLANA

2 PATTY

5/Trap For # JAN 97

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Jan-16-97 09:14A supsalv command

U-UNCLASSIFIED--UNCLASSIFIED-U
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PATUZYUW RUEOMCA2774 0152148-UUUU--RULSSEA. ZNR UUUUU ZUI RULSSEA0504 0151500 P 150637Z JAN 97 ZYB PSN 516461M23 FM COMNAVSEASYSCOM WASHINGTON DC//OOC// TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88// INFO RUCBACM/CINCUSACOM NORFOLK VA//J3// RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5// RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM// RULSJGA/COMDT COGARD WASHINGTON DC//OPC// RUCBTFA/COMNAVSURFLANT NORFOLK VA//NOO/N3/N32/N4// RUENAAA/CHINFO WASHINGTON DC//JJJ// RUENAAA/OLA WASHINGTON DC//00// RUEGABA/CCGDONE BOSTON MA//CC// RULYEPA/COMLOGGRU TWO RUEGABF/COMCOGARDGRU MORICHES NY RUCBFAC/COMEODGRU TWO RUCBFDF/MOBDIVSALU TWO RHNVGGT/USS GRASP RHNVHHH/USS GRAPPLE RUCBFAR/EODMU TWO RHFJFOX/EODMU SIX RHNVHHC/EODMU TEN RHFJFOV/EODMU TWELVE RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ// RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJ// RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00// UNCLAS //N04740// MSGID/GENADMIN/NAVSEA 00C// (b)(6) SUBJ/TWA FLT 800 SALVAGE SITREP 15 JAN 97// POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL: RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 08000 15 JAN 97: A. ASSETS: F/V TRADITION - F/V CHRISTIAN/ALEXA - F/V ALPHA/OMEGA II - F/V KATHY ANN B. STATUS: WX WINDS 15 KTS SEAS 4PT INCREASING IN THE AFTERNOON. - F/V TRADITION TRAWLING BOX F3. - F/V ALPHA/OMEGA WILL COMPLETE TRAWLING AREA THREE AND MOVE TO BOX F2 THIS PM. NTSB CONCURS. F/V CHRISTIAN/ALEXA TRAWLING BOX F4. - F/V KATHY ANN TRAWLING AREA ONE. C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED. D. SUPSALV PROVIDED A BRIEF OVERVIEW STATUS OF TRAWLING AT A MEETING IN THE WHITE HOUSE FOR MR. PANETTA. ALSO IN ATTENDANCE WERE CHAIRMAN HALL AND VCHAIR FRANCES (NTSB), MS. DASCHEL (FAA), DIR FREEH AND MR. KALSTROM (FBI) AND OTHERS. THE MAIN REASON FOR THE MEETING WAS FOR THE NTSB AND FBI TO BRIEF STATUS OF THE INVESTIGATION. 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS. 3. PUBLIC AFFAIRS: NTR// вΤ #2774

00C(1)ORIG FOR COMNAVSEASYSCOM 91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS373(1)

NNNN

To: AL DICKENSON
To: But Benzon

From: JIM BLAdh

SIT RAP

2 PAGE

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U-UNCLASSIFIED--UNCLASSIFIED-U

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PATUZYUW RUEOMCC5153 0111657-UUUU--RULSSEA.
             ZUT RULSSEA0078 0110900
  P 110900Z JAN 97 PSN 493482M30
  FM COMNAVSEASYSCOM WASHINGTON DC//00C//
  TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
  INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
  RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
  RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC//J3WHEM//
  RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
  RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
  RUENAAA/CHINFO WASHINGTON DC//JJJ//
  RUENAAA/OLA WASHINGTON DC//00//
  RUEGABA/CCGDONE BOSTON MA//CC//
  RULYEPA/COMLOGGRU TWO
  RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHNVHHH/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
 RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00//
 UNCLAS //N01740//
 MSGID/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 11 JAN 97//
 POC/RICHARD ASHER/CIV/SEA OOCB/-/TEL:
 RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 11 JAN 97:
 - F/V TRADITION
 - F/V CHRISTIAN/ALEXA
 - F/V ALPHA/OMEGA II
 - F/V KATHY ANN
B. STATUS: WX CONTINUING TO IMPACT TRAWLING. SNOW CAUSING DGPS NAV TO
- F/V TRADITION TRAWLING AREA F-3 SOUTH OF ATT CABLE.
- F/V ALPHA/OMEGA TRAWLING AREA THREE.
- F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
- F/V KATHY ANN TRAWLING AREA ONE.
C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
ВТ
#5153
NNATO
OOC(1) ....ORIG FOR COMNAVSEASYSCOM
  91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1)
  071(1) 072(1) 07A(1) 91W1(1) PMS373(1)
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To: AL DICKENSON
To: BUS BENZON

From: Jim Bladh

SIT RAP

3 PAQU

Author: SUPSALVMESSAGES at P-SEA00C 1/12/97 2:47 PM

Date:

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Priority: Normal
TO: BLADH_JAMES_C
Subject: 1109002 NOV 96; P;TWA FLT 800 SALVAGE STTREP 11 NOV 96//
                       ----- Message Contents -----
                        U-UNCLASSIFIED--UNCLASSIFIED-U
                        PATUZYUW RUEOMCC5098 0111629-UUUU--RULSSEA.
ZNR UUUUU ZUI RULSSEA0077 0110900
P 110900Z NOV 96 PSN 493413M24
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCHCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC//J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
 RUEGABA/CCGDONE BOSTON MA//CC//
 RULYEPA/COMLOGGRU TWO
 RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHNVHHH/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
 RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
 BT
 UNCLAS //N04740//
                                                (b)(6)
 MSGTD/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 11 NOV 96//
 POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
 RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 11 NOV 97:
 A. ASSETS:
  - F/V TRADITION
  - F/V CHRISTIAN/ALEXA
  - F/V ALPHA/OMEGA II

    F/V KATHY ANN

  B. STATUS: WX CONTINUING TO IMPACT TRAWLING. SNOW CAUSING DGPS NAV TO
  BE INTERMITENT.
  - F/V TRADITION TRAWLING AREA F-3 SOUTH OF ATT CABLE.
  - F/V ALPHA/OMEGA TRAWLING AREA THREE.
  - F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
  F/V KATHY ANN TRAWLING AREA ONE.
  C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
  2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
  3. PUBLIC AFFAIRS: NTR//
  BT
  #5098
  NNNN
  OOC(1) ....ORIG FOR COMNAVSEASYSCOM
     91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1)
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071(1) 072(1) 07A(1) 91W1(1) PMS373(1)

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PATUZYUW RUEOMCA1004 0122212-UUUU-~RUUSSEA.
           ZUI RULSSEA0079 0120900
ZNR UUUUU
P 121300Z JAN 97 PSN 496406M29
FM COMNAVSEASYSCOM WASHINGTON DC//OOC//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC//J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//NOO/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBEDE/MOBDIVSALU TWO
RHNVGGT/USS GRASP
RHNVHHH/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
 RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
 8T
 UNCLAS //NO4740//
                                                   (b)(6)
 MSGID/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 12 JAN 97//
 POC/RICHARD ASHER/CIV/SEA OOCB/-/TEL:
 RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 12 JAN 97:
    ASSETS:
  F/V TRADITION
   F/V CHRISTIAN/ALEXA
   F/V ALPHA/OMEGA II
  F/V KATHY ANN
     STATUS: WX CONTINUING TO IMPACT TRAWLING. SNOW CAUSING DGPS NAV TO
 PE INTERMITENT.
 - F/V TRADITION TRAWLING AREA F-3 SOUTH OF ATT CABLE.

    F/V ALPHA/OMEGA TRAWLING AREA THREE.

 - F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.

    F/V KATHY ANN TRAWLING AREA ONE.

 C. INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
 3. PUBLIC AFFAIRS: NTR//
 BT
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#1004

To: AL DICKENSON From: Jim BLANA

3 PATE

5, Tr+p For the JAN 97 17-18

Author: ASHER RICHARD C at P-SEA00C $1/20/\bar{9}7$ 7:49 AM

Date:

Priority: Normal TO: ATKINS JESS at 91

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TO: Jyachosky Barbara at P-09INFO
TO: LUEBKE WILLIAM CAPT at 00
TO: SHELTON EDWARD L at 91
TO: BLADH_JAMES C (00C22)
TO: WOLFORD E LEE (00C22C)
Subject: 191500Z JAN 97; P;TWA FLT 800 SALVAGE SITREP 19 JAN 97//
----- Message Contents
                        U-UNCLASSIFIED--UNCLASSIFIED-U
                        PATUZYUW RUEOMCA1439 0192310-UUUU--RULSSEA.
ZNR UUUUU ZUI RULSSEA0084 0191500
P 191500Z JAN 97 ZYB PSN 540148M22
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHNVHHH/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
 RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
 BT
 UNCLAS //N04740//
                                                (b)(6)
 MSGID/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 19 JAN 97//
 POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
 RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 19 JAN 97;
 A. ASSETS:
  - F/V NORDIC PRIDE (REPLACEMENT FOR F/V TRADITION) NOTE: CAPT AND
 CREW OF F/V TRADITION WILL MAN F/V NORDIC PRIDE IN ORDER TO PRESERVE
 THE EXPERIENCE OF LINE RUNNING AND STATION KEEPING.
 - F/V CHRISTIAN/ALEXA
  - F/V ALPHA/OMEGA II
  - F/V KATHY ANN
 B. STATUS: ALL TRAWLERS IN PORT FOR REPLENISHMENT AS FOLLOWS:
  - F/V NORDIC PRIDE NEW BEDFORD.
  - F/V ALPHA/OMEGA NEW BEDFORD.
  - F/V CHRISTIAN/ALEXA PT PLEASANT NJ.
  - F/V KATHY ANN PT PLEASANT NJ.
  - ATT GUARD SHIP DEBRAH LEE WILL NOT RETURN UNLESS OPS RESUME IN
  CABLE AREA. COAST GUARD STATION EAST MORICHES SEVERELY ICED IN
  TEMPORARILY LIMITING SUPSAIVE RIB OPS.
  C. INTENTIONS: ALL TRAWLERS SCHEDULED TO DEPART FOR OP AREA AM 20
  JAN. RESUME TRAWLING OPS PM 20 JAN.
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Jan-20-97 07:51A supsalv command
2. PERSONNEL: SUPSALV PERS REMAIN ON SITE
3. PUBLIC AFFAIRS: NTR//
BT
#1439
NNNN

00C(1) ...ORIG FOR COMNAVSEASYSCOM
91(1) 00(1) 00D(1) 03K(1) 03W(1) 00A(1) MSGCTR(1)
04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS325G(1) PMS373(1)
```

To: AL DICKENSON From: Jim BLANA

2 PAYN

Sitrap For the JAN 97

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Jan-17-97 07:16A supsalv command
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2435
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PATUZYUW RUEOMCA0360 0162241-UUUU--RULSSEA.
ZNR UUUUU
            ZUI RUI SSEA0517 0161500
P 160638Z JAN 97 ZYB PSN 524336M23
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBFDF/MOBDIVSALU TWO
RHNVGGT/USS GRASP
RHNVHHH/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/EODMU TEN
RHFJFOV/EODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00//
BT
UNCLAS //N04740//
MSGID/GENADMIN/NAVSEA 00C//
SUBJ/TWA FLT 800 SALVAGE SITREP 16 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1.
         FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 16 JAN 97:
A. ASSETS:
- F/V TRADITION

    F/V CHRISTIAN/ALEXA

- F/V ALPHA/OMEGA II
- F/V KATHY ANN
B. STATUS: WX WINDS 30 KTS SEAS 8FT. TRAWLING OPS SECURED FOR WX.
- F/V TRADITION TRAWLING BOX F3.
- F/V ALPHA/OMEGA RETURNING TO NEW BEDFORD MA FOR PROVSIONS, WILL
RETURN ON STATION 19 JAN.
- F/V CHRISTIAN/ALEXA TRAWLING BOX F4.
- F/V KATHY ANN STANDBY AREA ONE.
    INTENTIONS:
                CONTINUE TRAWLING OPS WHEN WX PERMITS.
                                                          HAVE
COMMENCED REPROVISIONING SCHEDULE FUR ALL TRAWBERS, SCHEDULD
DEPENDENT ON WX.
D. SUPSALV ATTENDED MAJOR INVESTIGATION REVIEW AT CALVERSTON HANGAR
FACILITY.
   PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
   PUBLIC AFFAIRS: NTR//
BT
#0360
NNNN
00C(1) ....ORIG FOR COMNAVSEASYSCOM
   91(1) 00(1) 00D(1) 03K(1) 00A(1) MSGCTR(1) 04MS(1)
```

071(1) 072(1) 07A(1) 91W1(1) PM\$373(1)

P 050635Z DEC 96 FM COMNAVSEASYSCOM WASHINGTON DC//00C// TO CNO WASHINGTON DC//N3/N8/N86/N87/N88// INFO CINCUSACOM NORFOLK VA//J3// CINCLANTFLT NORFOLK VA//N01/N3/N5// JOINT STAFF WASHINGTON DC//NMCC/J3WHEM// COMDT COGARD WASHINGTON DC//OPC// COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4// CHINFO WASHINGTON DC//JJJ// OLA WASHINGTON DC//00// CCGDONE BOSTON MA//CC// COMLOGGRU TWO COMCOGARDGRU MORICHES NY COMEODGRU TWO MOBDIVSALU TWO USS GRASP USS GRAPPLE EODMU TWO EODMU SIX **EODMU TEN** EODMU TWELVE NAVXDIVINGU PANAMA CTTY FL//JJJ// NAVDIVESALVTRACEN PANAMA CITY FL//JJJ// COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00// BT UNCLAS //N04740// (b)(6)MSGID/GENADMIN/NAVSEA 00C// SUBJ/TWA FLT 800 SALVAGE SITREP 5 DEC 96// POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:

RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 1400 Q 5 DEC 96: A. ASSETS:

- F/V TRADITION
- F/V CHRISTIAN AND ALEXA

```
P 120635Z DEC 96
FM COMNAVSEASYSCOM WASHINGTON DC//OOC//
TO CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO CINCUSACOM NORFOLK VA//J3//
CINCLANTFLT NORFOLK VA//N01/N3/N5//
JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
COMDT COGARD WASHINGTON DC//OPC//
COMNAVSURFLANT NORFOLK VA//NOO/N3/N32/N4//
CHINFO WASHINGTON DC//JJJ//
OLA WASHINGTON DC//00//
CCGDONE BOSTON MA//CC//
 COMLOGGRU TWO
 COMCOGARDGRU MORICHES NY
 COMEODGRU TWO
 MOBDIVSALU TWO
 USS GRASP
 USS GRAPPLE
 EODMU TWO
 EODMU SIX
 EODMU TEN
 EODMU TWELVE
 NAVXDIVINGU PANAMA CITY FL//JJJ//
 NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
 BT
         //N04740//
 UNCLAS
 MSGID/GENADMIN/NAVSEA 00C//
 SUBJ/TWA FLT 800 SALVAGE SITREP 12 DEC 96//
 POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
         FOL 1S UPDATE OF SALVAGE OPS AS OF 1400 Q 12 DEC
 RMKS/1.
 96:
 A. ASSETS:
 - F/V TRADITION
  - F/V CHRISTIAN AND ALEXA
  - F/V ALPHA AND OMEGA II
  - F/V KATHY ANN
  - ATT/V VESSEL DEBRA LEE
  - CONTRACT VESSEL MIKE 8 JENNIFER LYNN
      STATUS: TRAWLING OPERATIONS CONTINUE. THE FOLLOWING IS
  THE STATUS OF EACH ASSET:
  - F/V TRADITION TRAWLING WESTERN CABLE BUFFER AREA. CURRENT
  ASSIGNMENT IS TO COMPLETE OUT TO 1000 YARDS ON NORTHERN SIDE
  OF WESTERN CABLE BUFFER ZONE.
  - F/V CHRISTIAN AND ALEXA TRAWLING WESTERN CABLE BUFFER
  AREA. ASSIGNMENT IS TO COMPLETE OUT TO 1000 YARDS ON
  SOUTHERN SIDE OF WESTERN CABLE BUFFER ZONE.
  - F/V ALPHA AND OMEGA 11 TRAWLING EAST WEST LINES IN RED
  AREA (AREA THREE).
  - F/V KATHY ANN TRAWLING AREA ONE (GREEN AREA). TRAWLING
  NORTH SOUTH LINES (STARTING ON EAST SIDE) OVER BOX THAT
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INCLUDES ENTIRE GREEN AREA.

TO THE RESIDENCE OF THE PARTY O

- ATT/V DEBRA LEE ON STATION PROVIDING SECURITY OVER ATT CABLE. ATT/V DEBRA LEE WILL BE NEEDED ON STATION UNTIL 1000 YARD BUFFER ON SOUTH SIDE OF WESTERN CABLE IS FINISHED BY CHRISTIAN AND ALEXA, ESTIMATE 16 DEC 96.
- CONTRACT VESSEL JENNIFER LYNN (MIKE 8) MOBILIZED FOR EVIDENCE AND PERSONNEL TRANSFERS, BUT MISSION CANCELED DUE TO DETERIORATING WEATHER CONDITIONS IN OP AREA. BASED ON WEATHER, ESTIMATE NEXT (AND LAST PRIOR TO CHRISTMAS STAND-DOWN) MIKE BOAT RUN WILL BE 18 DEC 96.
- COAST CUARD GROUP MORICHES EVACUATED ONE SICK FBI AGENT FROM F/V KATHY ANN 0900 12 DEC 96.
- C. INTENTIONS: COMPLETE WESTERN CABLE BUFFER ZONE 16 DEC 96, WHICH IS REVISED FROM 13 DEC 96 ESTIMATE BASED ON REQUEST BY FBI AND CONCURRENCE BY NTSB TO RE-WORK A COMPLETED SECTOR OF F1 AREA. CONTINUE TO TRAWL IN BOTH THE MAIN IMPACT AREAS AND FBI AREAS AS ASSIGNED BY NTSB. FIRST TRAWLER TO COMPLETE WESTERN BUFFER LINES WILL BE ASSIGNED TO EXPANDED GREEN ZONE (AREA ONE, MAIN IMPACT AREA), PUTTING TWO TRAWLERS IN GREEN AREA. ALPHA AND OMEGA II SHALL CONTINUE EAST WEST LINES IN RED AREA, PROGRESSING FROM NORTH TO SOUTH. ONE TRAWLER, EITHER CHRISTIAN ALEXA OR TRADITION, WILL REMAIN IN FBI AREAS. BASED ON WEATHER PREDICTIONS AND OP SCHEDULE, ESTIMATE LAST DAY OF TRAWLING, AND LAST MIKE 8 BOAT RUN, PRIOR TO CHRISTMAS STAND-DOWN WILL BE 18 DEC 96. TRAWLING WILL CONTINUE BEGINNING 6 JAN 97.
- 2. PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
- 3. PUBLIC AFFAIRS: NTR//BT

Author: SUPSALVMESSAGES at P-SEAGOC 1/11/97 7:58 AM

Date:

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Priority: Normal
TO: SALMON THOMAS B
TO: BLADH JAMES_C
Subject: \overline{1006362} JAN 97; P;TWA FLT 800 SALVAGE SITREP 10 JAN 97//
----- Message Contents
                        U-UNCLASSIFIED--UNCLASSIFIED-U
                        ουσυσυσυσυσυσυσυσυσυσυσυσυσυσυσυσυσ
PATUZYUW RUEOMCC1975 0102306-UUUU--RULSSEA.
           ZUI RULSSEA0478 0101500,
ZNR UUUUU
P 100636Z JAN 97 ZYB PSN 488707M34
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
 INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
 RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
 RUENAAA/CHINFO WASHINGTON DC//JJJ//
 RUENAAA/OLA WASHINGTON DC//00//
 RUEGABA/CCGDONE BOSTON MA//CC//
 RULYEPA/COMLOGGRU TWO
 RUEGABF/COMCOGARDGRU MORICHES NY
 RUCBFAC/COMEODGRU TWO
 RUCBFDF/MOBDIVSALU TWO
 RHNVGGT/USS GRASP
 RHBBQSJ/USS GRAPPLE
 RUCBFAR/EODMU TWO
 RHFJFOX/EODMU SIX
 RHNVHHC/EODMU TEN
 RHFJFOV/EODMU TWELVE
 RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
 RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
 RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//00C/91/00//
  UNCLAS //N04740//
  MSGID/GENADMIN/NAVSEA OOC//
  SUBJ/TWA FLT 800 SALVAGE SITREP 10 JAN 97//
  POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
  RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 0800Q 10 JAN 97:
     ASSETS:
   F/V TRADITION
   F/V CHRISTIAN/ALEXA
  - F/V ALPHA/OMEGA 1I
  - f/v kathy ann
  - MIKE 8 (CIVILIAN CONTRACT VESSEL)
  B. STATUS: TRAWLING OPERATIONS PROCEEDING IAW NTSB/FBI DIRECTION.
  - F/V TRADITION TRAWLING AREA F-3 SOUTH OF ATT CABLE.
  - F/V ALPHA/OMEGA TRAWLING AREA THREE.
  - F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
  - F/V KATHY ANN TRAWLING AREA ONE. TRAWLER OPS INTERMITTENT DUE TO
       SEARCH AREA NORTH OF ATT CABLE COMPLETED 1600 9 JAN 97.
      INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
  C.
      PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
      PUBLIC AFFAIRS: NTR//
   3.
   BT
   #1975
   NNNN
   OUC(1) ....ORIG FOR COMNAVSEASYSCOM
      91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1)
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PATUZYUW RUEOMCA8036 0092003-UUUU--RULSSEA.
          ZUI RULSSEA0470 0091500
ZNR UUUUU
P 0906352 JAN 97 ZYB PSN 479411M26
FM COMNAVSEASYSCOM WASHINGTON DC//OOC//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//NOO/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBFDF/MOBDIVSALU TWO
RHNVGGT/USS GRASP
RHBBQSJ/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/EODMU TEN
RHFJFOV/EODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
RUCTMGE/NAVDIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00//
UNCLAS //N04740//
MSGID/GENADMIN/NAVSEA 00C//
SUBJ/TWA FLT 800 SALVAGE SITREP 09 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1. FOL IS UPDATE OF SALVAGE OPS AS OF 08000 09 JAN 97:
A. ASSETS:
- F/V TRADITION
 - F/V CHRISTIAN/ALEXA
 - F/V ALPHA/OMEGA II
- F/V KATHY ANN
 - MIKE 8 (CTVILIAN CONTRACT VESSEL)
B. STATUS: TRAWLING OPERATIONS PROCEEDING IAW NTSB/FBI DIRECTION.
 - F/V TRADITION TRAWLING AREA F NORTH OF ATT CABLE.
 - F/V ALPHA/OMEGA TRAWLING AREA THREE.
 - F/V CHRISTIAN/ALEXA TRÁWLING AREA F SOUTH OF ATT CABLE.
 - F/V*KATHY ANN TRAWLING AREA ONE.
 - MIKE 8 JENNIFER LYNN PICKING UP DEBRIS FROM ALL TRAWLERS.
 C. INTENTIONS: CONTINUE TRANSLING OPS AS PLANNED.
    PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
    PUBLIC AFFAIRS: NTR//
 BT
 #8036
 NNNN
 OOC(1) ....ORIG FOR COMNAVSEASYSCOM
    91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1)
    04MS(1) 071(1) 072(1) 07A(1) 91W1(1) PMS373(1)
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To: AL DICKENSON From: Jim BLANA

2 PAYN

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Jan-14-97 09:33A supsalv command
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3435

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PATURYUW RUEOMCB0249 0132208-UUUU--RULSSEA.
ZNR UUUUU ZUI RULSSEA0488 0131500
P 130635Z JAN 97 ZYB PSN 501930M18
FM COMNAVSEASYSCOM WASHINGTON DC//00C//
TO RUENAAA/CNO WASHINGTON DC//N3/N8/N86/N87/N88//
INFO RUCBACM/CINCUSACOM NORFOLK VA//J3//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N5//
RUEKJCS/JOINT STAFF WASHINGTON DC//NMCC/J3WHEM//
RULSJGA/COMDT COGARD WASHINGTON DC//OPC//
RUCBTFA/COMNAVSURFLANT NORFOLK VA//N00/N3/N32/N4//
RUENAAA/CHINFO WASHINGTON DC//JJJ//
RUENAAA/OLA WASHINGTON DC//00//
RUEGABA/CCGDONE BOSTON MA//CC//
RULYEPA/COMLOGGRU TWO
RUEGABF/COMCOGARDGRU MORICHES NY
RUCBFAC/COMEODGRU TWO
RUCBFDF/MOBDIVSALU TWO
RHNVGGT/USS GRASP
RHNVHHH/USS GRAPPLE
RUCBFAR/EODMU TWO
RHFJFOX/EODMU SIX
RHNVHHC/EODMU TEN
RHFJFOV/EODMU TWELVE
RUCTMGG/NAVXDIVINGU PANAMA CITY FL//JJJ//
RUCTMGE/NAVOIVESALVTRACEN PANAMA CITY FL//JJJ//
RULSSEA/COMNAVSEASYSCOM WASHINGTON DC//OOC/91/00//
BT
UNCLAS //N04740//
MSGID/GENADMIN/NAVSEA 00C//
SUBJ/TWA FLT 800 SALVAGE SITREP 13 JAN 97//
POC/RICHARD ASHER/CIV/SEA 00CB/-/TEL:
RMKS/1. FOI IS UPDATE OF SALVAGE OPS AS OF 0800Q 13 JAN 97:
    ASSETS:

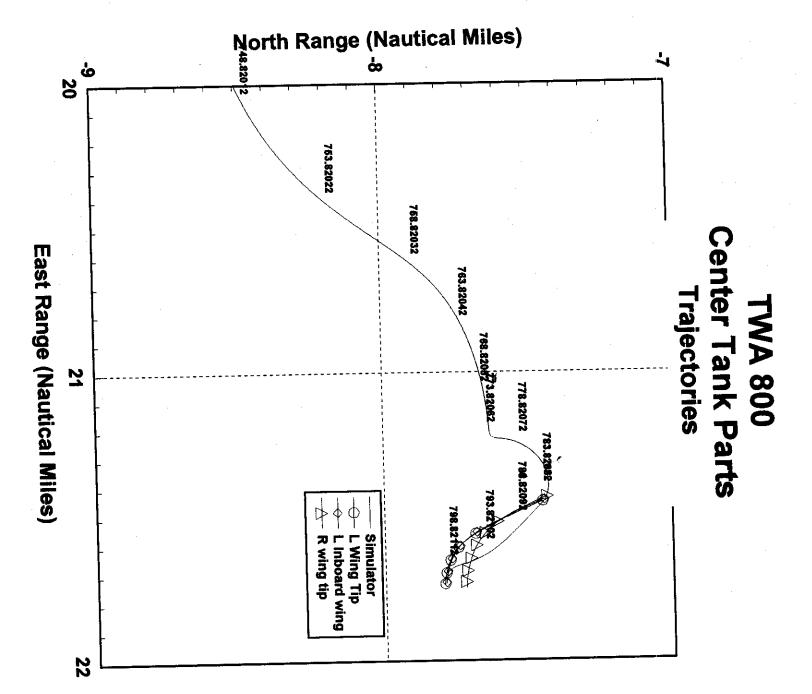
    F/V TRADITION

    F/V CHRISTIAN/ALEXA

 - F/V ALPHA/OMEGA II
 F/V KATHY ANN
 - MIKE 8 (CIVILIAN CONTRACT VESSEL)
    STATUS: WX WINDS 25 KTS AND DIMINISHING. DGPS NAV OPERATIONAL.
- F/V TRADITION TRAWLING AREA H SOUTH OF ATT CABLE.

    F/V ALPHA/OMEGA TRAWLING AREA THREE.

 - F/V CHRISTIAN/ALEXA TRAWLING AREA F-4 SOUTH OF ATT CABLE.
 - fily kathy ann trawling area one.
 - MIKE 8 JENNIFER LUNN PICKING UP DEBRIS FROM ALL TRAWLERS AND
ROTATING FBI PERSONNEL.
    INTENTIONS: CONTINUE TRAWLING OPS AS PLANNED.
    PERSONNEL: SUPSALV PERS REMAIN ON SITE SUPERVISING SALV OPS.
2.
    PUBLIC AFFAIRS: RADM KRISTENSEN (CLG2) AND CAPT MCCORD
 (SEA OOC) ATTENDED A CEREMONY HONORING COAST GUARD AND OTHER
 AGENCIES IN MORICHES. IN ATTENDANCE WERE SECRETARY OF
 TRANSPORTATION; COMMANDANT OF CG; COMMANDER CG DISTRICT ONE; OTHER
 FEDERAL, STATE AND LOCAL AGENCY REPS AND FAMILIES OF VICTIMS OF
 TWA 800.//
 BT
 #0249
 NNNN
 OOC(1) ....ORIG FOR COMNAVSEASYSCOM
    91(1) 00(1) 00D(1) 02(1) 03K(1) 00A(1) MSGCTR(1)
    04MS(1) 071(1) 072(1) 07A(1) 91K44(1) 91W1(1) PMS373(1)
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(p)(6), MEKALAN





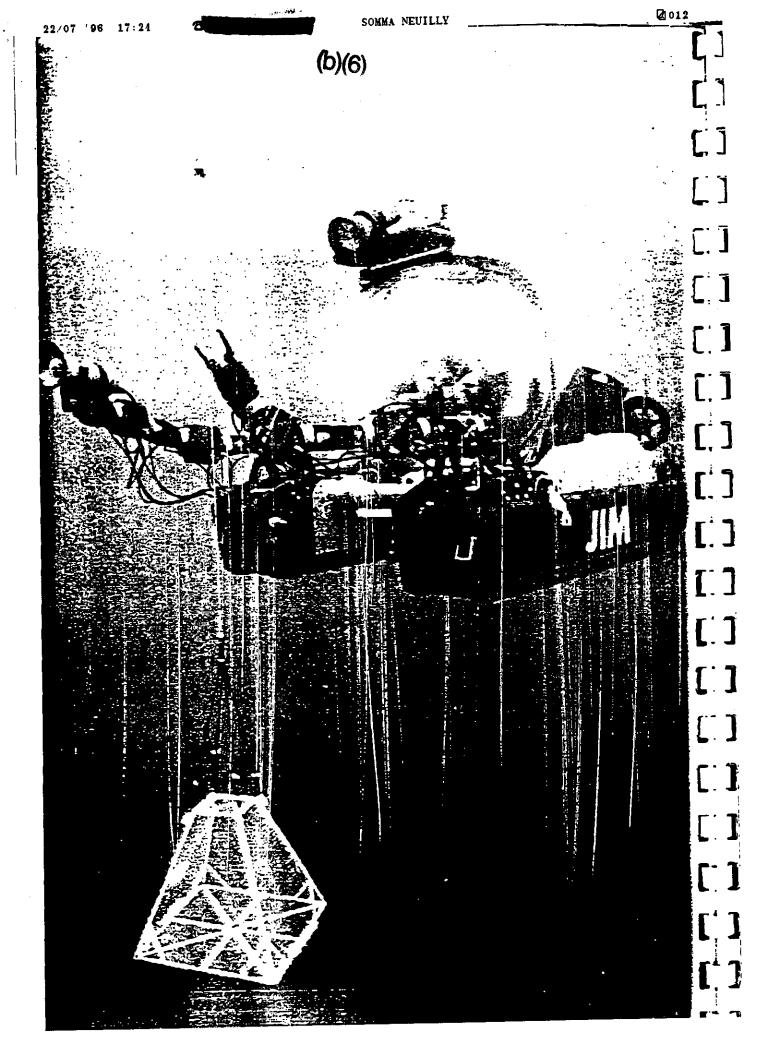
American Storage and Transport, Inc. 1860 Walt Whitman Road Melvilla, NY 11747

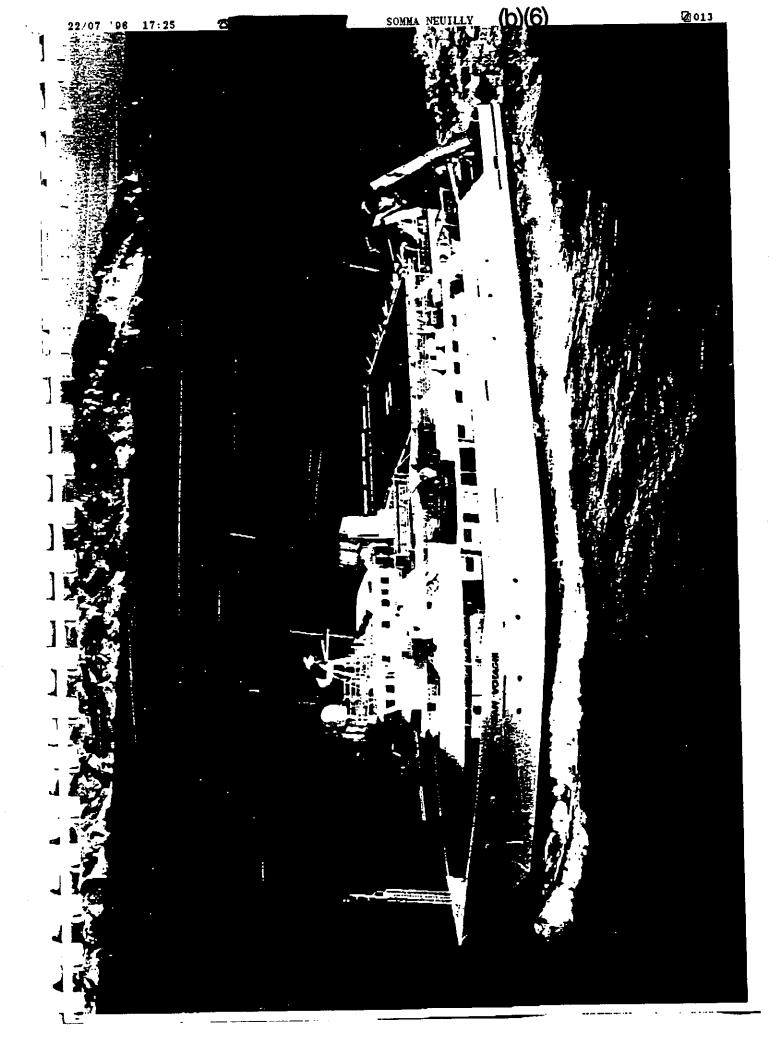
Number of pages including cover sheet

DREW O'CONNOR		From:	d whelm		
		*			
Phone Fax Phone	(b)(6)	Fix Phone			

	venierabay as		Please comment
			VISE
		" Re	
,	_	<i>/</i>	
	ees For Edward TACK WALLY	Lees FOR Meeting Edward WHELAN JACK CUMMING WALLY SILLON	Lees FOR MEETING 6/24/ Edward WHELAN JACK CUMMINGS DE









Facsimile

Date:	6/23/99
	Vivaria
То:	VII GITTO
Title:	
Company:	
Fax Number:	369-8736
	\
From:	Laura
Number of Pages:	_3
(Including cover sheet)	American Storage
Regarding:	American Horage
Comments:	
Those	are the following
HEGE	We the tolowing
Meu	who will be Consing to you to morrow out
to se	e you tomorrowat
1.00	
100	$\mathbf{p}(1)$.
\mathcal{L}	thy questions, please call
	The Ve
me.	1100V)

This facsimile message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, contidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this facsimils in error, please notify the sender by telephone immediately so that we can arrange for the retrieval of the documents at no cost to you. Thank you,

PIERRE SOMMA

INGENIEUR CIVIL DU GENIEMARITME

CONSTRUCTIONS NAVALES ET INDUSTRIBLES.
NAVIRES ET COMPLEYES DE PECHES
INSTALLATIONS FRIGORIFIQUES.
MECANIQUE DES FLUIDES

NATIONAL TRANSPORTATION SAFETY BOARD

FAX MESSAGE & COURIER

To: 1-202-382 65 78

490 L'ENFANT PLAZA
WASHINGTON DC 20549
(b)(6) USA

Ref.: 960722 NTSB

NEUILLY, Le 22/07/96

NB of Pages: 1 + 11=12

REF.: DEEP SEA SURVEY OF TWA 800 CRASH.

ATTENTION: MR. TOM HAUETER

Dear Sir,

I do confirm our phone conversation of last Friday, I did contact you On behalf of Mr. Frostell of IACO Montreal who thought that our equipment could help your program of recovery.

I do represent a Company « Aqua Plus » owner of a Support Ship « Ocean Voyager » able to Operate simultaneously Two submersibles.

These inhabited Submersibles are of a complete new type:

- Rated for 1 000 Meter about 3 300 Feet,
- Full 360 ° Visibility, Acrylic Sphere,
- Two seats each, A Pilot and a passenger at normal atmosphere.
- New High Technology of light HMI. (Day light)
- Broadcast Standard Video Camera .
- Ship and submersibles fitted with all equipment's necessary for precise position on bottom, and continuous communication with surface.
- Speed about 2 Knots
- Autonomy 6 Hours cach.
- Each submersibles with two high performances manipulators.

As I said on the phone, The very high lighting capacity, the comfort of a pilot seating normally and piloting through a joy stick, the big autonomy, the possibility of operating the two submersible simultaneously, the Broadcast quality Video.

will enable your organization to progress much more quickly for the recovering of the debris.

We are sending to your address by DHL few copies of documentation describing the ship and submersible possibilities.

The teams operating the ship and the submersibles are the same who went on the « Titanic ».

For present time the ship is in Mediterranean sea, en route for West Atlantic, jointly with a another ship and « Nautile » submersible (rated for 6000 m) for a new venture on the « Titanic » planned for August 96.

I am at your disposal and at disposal of any U. S. Authority to arrange a survey of that plane crash site if needed.

You can contact me at any time at following numbers.

Phone
Fax: (b)(6)

Sincerely yours.

PIERRE SOMNA

P.S. Few pages of documents.

f documents.

PRESENTATION OF THE EQUIPMENT

For the first time in the history of human deep sea exploration, a:

- o safe
- 0 reliable
- o comfortable

way to:

- o explore
- O observe, inspect, record
- 0 function

in the Ocean to a depth of 1,000 meters, is available through the Deep Rover's, two brand new innovative, inhabited submersibles and a specially designed support ship: OCEAN VOYAGER

Availability of this new equipment allows Offshore companies to improve their operations:

- either by improving their current underwater operating procedure by giving a senior technician or a senior engineer the possibility to observe the site: before or between different phases of installation or after implementation.
- or by conceiving new methods for underwater operations, maintenance procedure, through the possibility of having an observer or inspector undertaking a survey of the site, sitting comfortably and safely in a submarine.
- or presenting to the general public state of-the-art films about their activities concerning, the deep ocean world and/or about the links between these activities and underwater world.

All that is possible through the availability of:

- 1. Two submersibles of a completely new type.
- 2. A support ship specially designed for operating simultaneously these two submersibles.

1

(b)(6)

TWO SUBMERSIBLES OF A COMPLETELY NEW TYPE

It is a new two people submersible with a 1,000 meter depth rating, designed using a concept introduced in the one-person submersible. Deep Rover. The design incorporates innovative yet practical safety solutions for submersible operation.

The main innovative characteristics of these submersibles are the following:

FULL VISIBILITY

The pressure hull is a full acrylic sphere allowing full visibility (360°) of the environment whereas other submersibles rated for 1,000 meters or more, only allow an outside view through a porthole of a very small diameter: 100 to 150 mm only.

This visibility, in addition to the complete new perception of the surroundings, suppresses all risks of entanglement.

COMFORT

Two people (one pilot, one passenger) may sit comfortably on seats, under atmospheric pressure and can simultaneously:

- observe the surroundings or the details of any object.
- observe the second submersible, giving him advice or assistance,
- pilot and reach practically any object to be inspected/observed or to be manipulated.
 Piloting the submersible can be done from any seat,
- control the submersible computer.
- use one or both manipulators.
- light up and film any subject with professional equipment (for the first time zooming at 1,000 meters and macrophotography is possible with broadcasting standard cameras),
- take notes,
- use a portable computer,
- communicate with the surface and with the other submersible,
- research and locate an object with a panoramic sonar

SAFETY

The pressure Hull is an acrylic monobloc sphere.

- Service pressure is the pressure of 1,000 meter depth.
- Theoretical destruction pressure is the pressure of 4,000 meter depth.
- Practical destruction pressure is more than 4,000 meter depth.

	Previously, the three risks of submersibles were:
	Entanglement:
- r 3	Entanglement was mainly due to:
LJ	 poor visibility through small port hole no visibility of external equipment
	 poor manneuvrability no assistance from an other submersible.
	This risk is completely suppressed by:
	 the full visibility of the surroundings and of external equipment the high manoeuvrability the fact that the second submersible is constantly available to assist the first one (1)
	Flooding:
፫- ገ	- Access hatches.
	A bottom hatch effectively climinates the hazard of flooding if the hatch is opened in heavy seas. Thus allowing evacuation at sea even in rough seas.
[]	Rare accidents happened to submersibles being prematurely opened from a top hatch.
	allowing water to enter pressure hull. Flooding is no longer possible with this new bottom hatch.
[]	Moreover, the low weight, less than 6 tons, of these submersibles and the overscantled recovering equipment of the ship, allow to recover and put these submersibles on board, on deck even with some swell.
[]	- Launching platform:
	All connections between inside and outside are made with static penetrators through a symmetrical top plate of the bottom hatch. No mobile equipment passes through the pressure hull.
	Fire:
	Previously, thruster and lighting currents were allowed inside the pressure hull. Since the development of computer control, electrical fault which were the primary cause of ignition have been suppressed. Batteries and all high current circuits are controlled
[]	externally by external switches. Only micro-currents of the computerised control are allowed inside the pressure hull. The risk of fire is suppressed.
	The few tentatives of installing large port holes in deep diving submersibles involved many problems due to difference of dilation/compression coefficient factor between acrylic and steel. The concept of a
1	complete sphere with two symmetrical plates (penermior-bottom batch) suppresses this dissimitry and

RELIABILITY

(b)(6)

The two submersibles « Jules and Jim » have recorded together over 80 fully successful dives, since the beginning of their operations.

Deep Rover 001 the first full acrylic sphere submersibles of similar concept has safely experienced more than 1,000 dives.

SIMULTANEOUS TWO SUBMERSIBLE OPERATION

For the first time, two submersibles can operate simultaneously or successively. They can consequently:

- Watch or guide each other.
- Mutually assist each other.
- One can light up the object, the other can operate or film.
- · In case of risk of entanglement, immediate intervention of the other submersible is possible or prevention by direct communication in real time.

EASE OF HANDLING

Each submersible is fitted with four thrusters of 5 HP each, that are controlled through a joystick. All movements of the submersibles are made by one hand either by the pilot or by the passenger.

Ballast, trim and buoyancy are arranged in such a way that all moves:

- ascent
- descent
- rotation,
- lateral move, travelling,

and can be done without air and water flush. All manoeuvres and all movements are done by intuitive control.

Consequently, the pilot or the passenger who pilots the submersible has no need of lengthy training for controlling the submersibles.

The air flush is practically used only for the final ascent when the working period is over.

The compact size of the submersible, its low weight and the high power of the thrusters:

- 5 HP for each
- more than 200 kgs push for each

: 5,7 tons

 Length : 3,3 meters Width : 2,5 meters Height : 2,5 meters Weight

allow very quick reactions to all control orders. This facility of piloting has amazed all professional pilots of submersibles when they tested Jules and Jim.

Batteries autonomy is 30 KWH, allowing a duration of 6 hours mission time.

Life support:

Breathing air storage allows 120 hours reserve for each passenger, i.e. 240 breathing hours for both, i.e.: 5 days of life support for two people.

LIGHTING

Large power: 2 to 4 projectors HMI of 450 Watt each plus if necessary 2 to 4 Halogen to 150 Watt.

It is the first time that such lighting power is provided on one submersible. This lighting power allows not only very comfortable survey of deep sea surroundings and objects but also allows the possibility to shoot professional quality images in day light quality.

Note that lighting can be provided by one submersible while the other can undertake two specific tasks or shoot.

PROFESSIONAL VIDEO EQUIPMENT

It is the first time that 1,000 meter rated submersibles are provided with professional standard cameras, some inside, others outside the pressure hull.

New lenses pressure resistant, specially designed for pressure deformation correction have been developed and installed.

For the first time, these underwater cameras are provided with zoom lenses, permitting even marcrophotography.

OTHER FEATURES

(not new but existing on the submersibles)

Other features and equipment, not new in their design but of high performance are installed on each submersible.

They include:

MANIPULATORS

Each submersible is equipped with two manipulators. They can be operated by either the passenger or the pilot, through joysticks.

Each manipulator has 5 functions plus a 360° rotating jaw (see specifications below).

SONAR

Each submersible is provided with a panoramic sonar.

INSTRUMENTATION

Additional instrumentation according to survey program may be added to the submersible. The total permitted payload being 280 kgs.

If needed, an extra ROV may be added to one of the submarines and may be piloted from this submarine.

Ø 009

Ø1010

(b)(6) " OCEAN VOYAGER "

A SUPPORT SHIP SPECIALLY DESIGNED TO OPERATE SIMULTANEOUSLY TWO SUBMERSIBLES

For the first time, a single ship is able to put into an operation and to recover simultaneously (with a small time interval) two submersibles.

This ship, « OCEAN VOYAGER», is the only ship conceived to do simultaneously the following:

- Launching and recovering two submersibles for the same mission.
- Ensuring constant maintenance and readiness for operation of two submersibles, thanks to the on board workshop and equipment.
- Providing all equipment necessary for all divers, including a decompression chamber.

The ship is:

- Fitted with a control room for tracking the submersibles and communicating with them, located in an extended large wheel house area.
- Fitted with three other large control or operation rooms or studios available for charterers, technicians and instrumentation.
- Fitted with a large helicopter platform and a modern high performance helicopter, Ecureuil B-16 (6 seats with full equipment and permanent crew and maintenance team on board)

AUETER IOM Som ma

Ship: OCEAN VOYAGER

COMPANY: AQUA PLUS

Administrative informations

The company « Aqua + » is Owner of the Ship « Ocean Voyager » and of two submersibles « Jules and Jim ».

- Company incorporated under the French law Stock capital: 12 Millions of US Dollars (60 millions of French Francs)
- Place of egistration of the Company: 14 rue Georges Daguerre 97500 SAINT-PIERRE-ET-MIQUELON
- Main share holder:
 - CANAL + 85-89 Quat André Cîtroën 75015 PARIS - FRANCE
- Head Office and Management:
 - ⇒ ELLIPSE PROGRAMME S.A. (Production Cy Subsidiary Cy of CANAL +) 15 square Vergennes 75015 PARIS - FRANCE

Manager of AQUA +: Gabriel DENOIX

Telephone: Telecopy:

- Maritime Advisor:
 - Pierre SOMMA Ingénieur Civil du Génie Maritime 4, avenue de Bretteville 92200 NEUILLY - FRANCE

Telephone Telecopy :

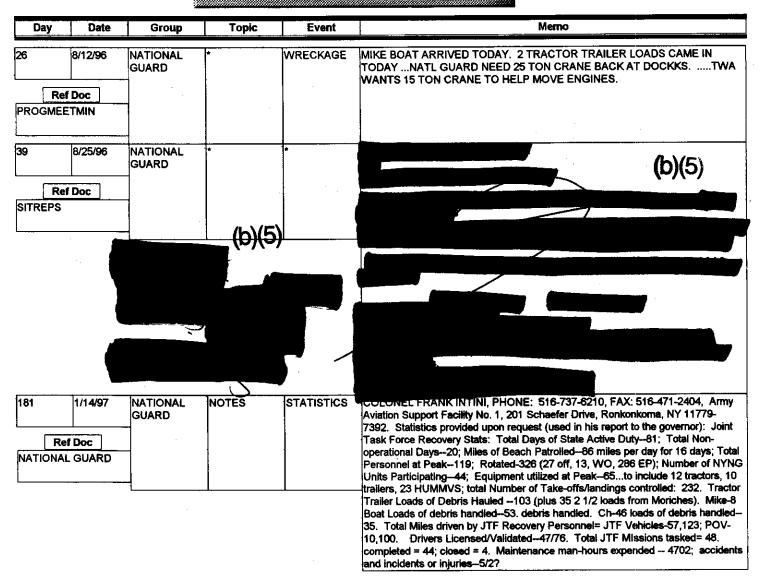
TWA Flight 800

NTSB Internal Documentation

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Search Results

Report Date:	Thursday, May 22, 1997
Requested By:	Matt M
Group::	NATIONAL GUARD
Topic:	*
Event:	*



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CONTAINER RESEARCH CORP. (CRC)

Hollow Hill Road, Riddle Industrial Park · Glen Riddle, PA 19037 (b)(6)

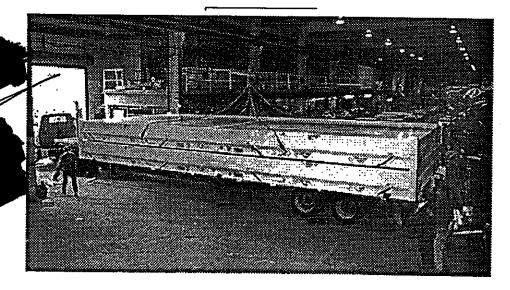
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Container Research Corporation's Engineering Department has 40 years' experience with reusable, steel and aluminum. shipping and storage containers, enclosures, and platforms. This experience includes a wide variety of commercial, military, and nuclear applications. We create new designs for new containers, and update existing containers to keep pace with changing technical and regulatory requirements.

FACILITIES

Container Research Corporation has over 225,000 square feet of manufacturing space under one roof. We manage your product from concept to inspected completion. Since we do oversee every step of your product's manufacture, we offer the added benefits of

FABRICATION CAPABILITY

SHEET METAL FABRICATING

State of the art equipment for forming, punching, rolling, and shearing metals

WELDING

Certified welding of metals to ASME Codes as well as to Mil Std-48, Mil-t 5021, and Mil Std-1595

MACHINING

Full Machining capability with N.C. and C.N.C. machinery

SAND BLAST & GLASS BEADING

Over 800 square feet of sand blast & glass beading facilities

CHEMICAL PROCESSING

15,000 gallon tank capacity to clean and alodine aluminum for spot welding and painting

IMPREGNATING

The area's largest metal impregnating system with a size capability up to 30 in x 8 ft for pressure sealing castings and other porous metal products

PAINTING

900 square feet of spray painting booths featuring electrostatic and airless equipment, with overhead conveyor systems for production painting

QUALITY CONTROL

Certified inspection to Mil 1-45208 with both wet and dry magnetic particle testing as well as liquid dye penetrant inspection

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- Westinghouse
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PART: U.S. GOVERNMENT PROCUREMENTS

SUBPART: SUPPLIES, EQUIPMENT AND MATERIAL

CLASSCOD: 15--Aircraft and Airframe Structural Components

OFFADD: U.S. Army Aviation and Missile Command, Acquisition Center, Bldg 4488, Redstone Arsenal, AL 35898-5280

SUBJECT: 15--SHIPPING AND STORAGE

SOL DAAH2399R0274

DUE 063099

POC Mark Fosdick, Contract Specialist or Howard Uptain, Contracting Officer

DESC: NSN: 8145-01-235-1536, P/N: 7-266100011-45, Quantity 77
each, applicable to the AH-64 Aircraft. FOB Origin with a qty.
77 to Red River Army Depot, Texarkana, TX 75507-5000. This
requirement is suitable for competitive acquisition. The Governmen
has unlimited rights to the technical data, and the data package
is complete. Past procurement history: Container Research Corp.,
68 each, \$2,731.00, Container Research Corp., 100 each, \$1,765.00.
To obtain this solicitation package, send a fax to the buyer
shown above at the best of include company name,
telephone number and solicitation number. Firms that recognize
and can produce the required item described above are encouraged
to identify themselves to the Contracting Officer, and provide

to identify themselves to the Contracting Officer, and provide supporting evidence which will permit their participation in the current or future solicitations. Firms are encouraged to seek source approval in order to complete for future solicitations by accessing the website www.redstone, army.mil./cmo/ and looking under CSL or SAR information. This requirement is currently unfunded. Award will be withheld pending receipt of sufficient funds. All responsible sources are encouraged to submit a proposal which shall be considered by the Agency.

CITE: (W-138 SN332674)



Michael J. Koob, S.E. Senior Consultant

330 Pfingsten Road Northbrook, IL 60062-2095



TONY RISTUÇÇIA

Aircraft Recovery International Inc.

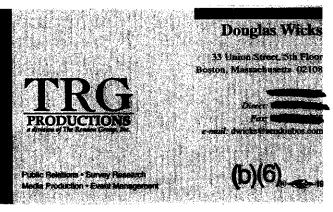
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Douglas Wicks

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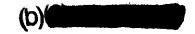
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Voice: Fax: E-Mail:

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AMERICAN UNDERWATER SEARCH & SURVEY LTD. Box 768 Cataumet, MA USA 02534 - Tel: Fax:

Bill:

Mr. Paul Voorhees Dr. Bernard Loeb, Director Office of Aviation Safety 490 L'Enfant Plaza East SW Washington, DC 20594

Ship:

(Provided On-Site)

INVOICE

Account:	1000
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Order Nu	mber:
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	Cataumet, MA USA
Date:	
	October 18, 1996
Location:	
	Cape Cod MA USA

	<u></u>	T		Cape Cou IVI	1 0 3 A
	Item	Qty	Description	10	T=
	1	6.5	Days small target search operations including research Vessel Abel J. Digital Dual Frequency Side Scan Sonar, Recording Decks, Isis Sonar Processor, Seatacs Sonar and Processor, Seatacs cabling, Underwater Television and Lighting System, Differential GPS Systems and redundant DGPS Systems, Diana Towframe, Hypack Integrated Navigation System, Electrohydraulic Winch, Wire and Slipring, Armored Towcables, plus support equipment and operational personnel for 24 hour operations, as per our quotation AQ-9180-NY.	Price	Extension
	_ i		ĺ	\$15,810.00	\$102,765.00
	2	2.5	Days in port due to weather	\$7,905.00	\$19,762.00
	3	1	Demobilization of all equipment, personnel, and survey ship outlined in item 1.	\$47,430.00	\$47,430.00
	3	10	Days truck and van rental for equipment and personnel transport	\$150.00	\$1,500.00
	4		Rolls sonar recorder paper	\$38.00	\$646.00
	5	17	Magneto Optical Isis Data Disks		
	6		Exabyte Data tapes	\$210.00	\$3,570.00
	7	4		\$38.00	\$1,064.00
¥ =:-			Lot, Vessel Dockage during weather days	\$250.00	\$250.00
+-	8	1	Lot, Rent of Operations Base Building for at-sea Command Center, and Differential Corrections Transmission Station	_	
	9	4		\$1,880.00	\$1,880.00
	}	i	Lot, ten days, Living Expenses for three Operations Base Personnel.	\$303.00	\$303.00
+	10	9	Roundtrip New London/Long Island Ferry Trips	\$58.00	\$522.00
4	11	4	Man-Days Sonar Data Review and advising on 9/14-9/15 as per Dr. Loeb and Mr. Dickinson	\$850.00	\$3,400.00
	Ple	ease	e Pay From This Invoice	Sub Total:	\$183,092.00
-	Dave	ant h	INVOICE COPY American Underwater Search & Survey		

American Underwater Search & Survey, Ltd. Facsimile Transmission

TO: NTSB

DATE: 13 NOVEMBER 1996

REF: TELCON

FAO: AL DICKINSON

FROM: JOHN FISH

PAGE 1 OF: 2

Dear Al,

Thanks for the return call today. I am glad things are progressing well under your command (but I didn't expect anything different). I may be headed to Long Island later in the month, and hope to stop by and say hello. It will probably be after the Naval powers depart the scene.

The items I mentioned which Paul Voorhees said he would need your approval are items 7, 8, and 11.

The first item (item 7) was for out of pocket expenses for docking the vessel at Pell's Marina in Shinnecock during rough weather.

The second item (item 8) was for our Differential Base Station set up and communication link to the survey vessel. The Base Station also served as a place for shore personnel to sleep, thereby eliminating hotel charges. I believe this is less than per diem would have been for three people for ten days. You will note, we did not charge per diem, except for groceries (\$303).

The last item (item 11) is for the two days Bernie and you asked Arnie and me to come and assist with sonar data review. You will recall, you approved billing of these two days back in September.

I know you are busy. I am sorry to bother you with this minutia, but I was hoping you could get back to Paul on the above items when you get a chance.

Kind Regards,

John Fish

(b)(6)

Box 768 Cataumet, Massachusetts USA 02534

Facsimile:

Telephone: